No.

8300037

HER MAKHED SHAVIES OF ANTERIOA

Wilbur-Ellis Company Seed Division

Caherens, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exclude others from selling the variety, or offering it for sale, or reproducing it, or importing it, or exporting it, or using it in producing a hybrid or different riety therefrom, to the extent provided by the Plant Variety Protection Act.

E UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS SOF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN

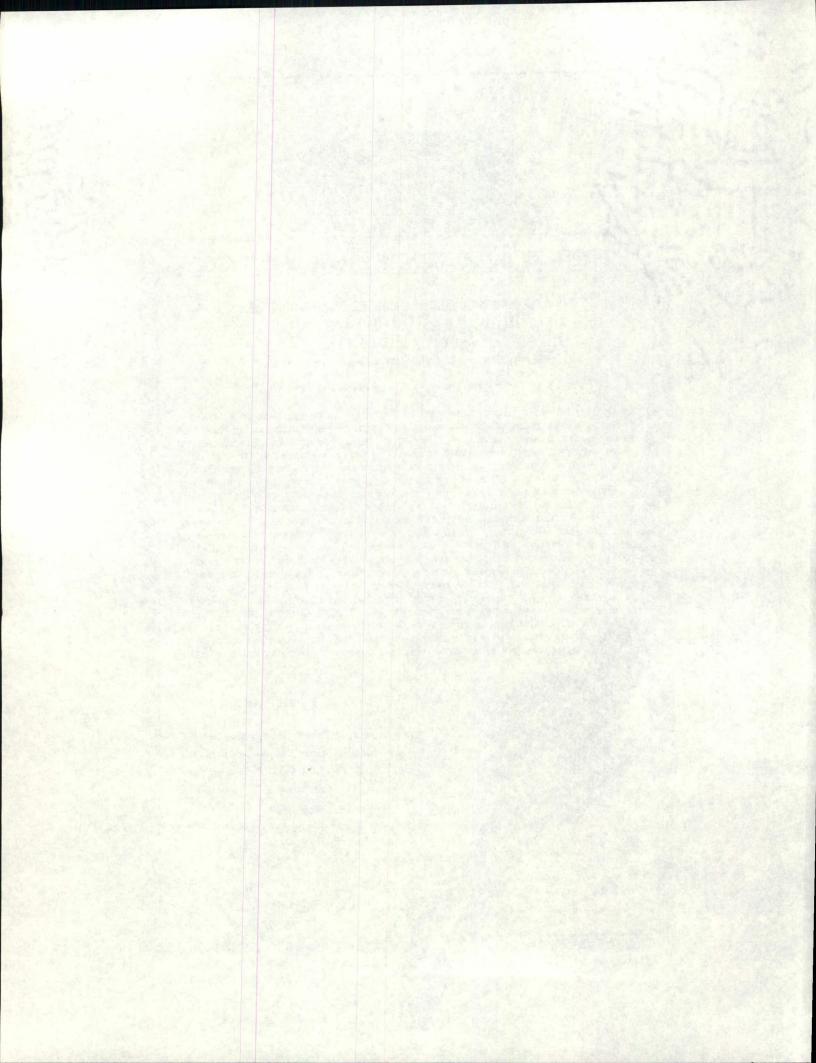
'Pilgrim'

In Lestimony Whereot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 28th day of June in the year of our Lord one thousand nine hundred and eighty-five.

Kenseth Eve Commissioner Plant Variety Protection Office

Stant Variety Protection Office Agricultural Marketing Service R Blok Secretary of Agriculture

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U.S. DEPARTMENT	OF ACRICILITY	IDE	1				
AGRICULTURAL M.	FORM APPROVED: OMB NO. 0581-0005						
LIVESTOCK, MEAT, GRAIN & SEED DIVISION				No certificate for plant variety protection may be issued unless a completed appli-			
APPLICATION FOR PLANT VARI	s on reverse)	CTION CERTIFICATE		form has been received (5 U.S.C			
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME					
Wilbur - Ellis Company Seed Division	PVD 865		PILGRIM				
4. ADDRESS (Street and No. or R.F.D. No., City, Sta	te, and Zip Code)	5. PHONE (Include area code)	15.0	FOR OFFICIAL USE ONLY			
East 12001 Empire Way	TTCA	(500)000 7551	PVP	NUMBER			
Spokane, Washington 99206	USA	(509)922-1774		8300037			
6. GENUS AND SPECIES NAME	7. FAMILY NAME (Botanical)		0	1/12/83			
Phaseolus vulgaris	Legumi	nosae	FILING	TIME 2:30 A.M. X P.M.			
8. KIND NAME	9.	DATE OF DETERMINATION		AMOUNT FOR FILING			
Dry Bean - Kidney Type		January 15, 1982	ED	\$ _ 1,000			
			SEIVED	1/12/83			
10. IF THE APPLICANT NAMED IS NOT A "PERSO partnership, association, etc.)	N," GIVE FORM	OF ORGANIZATION (Corporation,	REC	AMOUNT FOR CERTIFICATE			
CORPORATION			EES	\$ 500.00			
COM OMATION			1"	6/4/85			
11. IF INCORPORATED, GIVE STATE OF INCORPORATED	12. DATE OF INCORPORATION						
13. NAME AND ADDRESS OF APPLICANT REPRES	SENATIVE(S), IF	ANY, TO SERVE IN THIS APPLICA	ATION				
Attention: Floyd A. Ween Wilbur - Ellis Company Seed Division East 12001 Empire Way	Spo	okane, Washington 9	920	6 USA			
14. CHECK APPROPRIATE BOX FOR EACH ATTA	CHMENT SUBMI	TTED					
a. Exhibit A, Origin and Breeding History of the Section 52 of the Plant Variety Protection A	e Variety (See ct.)	c. Exhibit C, Objective D from Plant Variety Pro		tion of the Variety (Request form n Office.)			
b. Exhibit B, Novelty Statement		d. Exhibit D, Additional	Descri	ption of the Variety			
15. DOES THE APPLICANT(S) SPECIFY THAT SEE SEED? (See Section 83(a) of the Plant Variety Pro		ETY BE SOLD BY VARIETY NAMI X Yes (If "Yes," answer					
16. DOES THE APPLICANT(S) SPECIFY THAT THE LIMITED AS TO NUMBER OF GENERATIONS?		17. IF "YES" TO ITEM 16, V BEYOND BREEDER SEE		CLASSES OF PRODUCTION			
X Yes No		Foundation 6/18/85	X R	egistered X Certified			
18. DID THE APPLICANT(S) FILE FOR PROTECTION	ON OF THE VAR	IETY IN THE U.S. OR OTHER COU	INTRI	Yes (If "Yes," give name of countries and dates)			
				X No			
19. HAVE RIGHTS BEEN GRANTED IN THE U.S. O	R OTHER COUN	TRIES?		Yes (If "Yes," give name			
				of countries and dates)			
20. The applicant(s) declare(s) that a viable samp plenished upon request in accordance with st	ole of basic seed uch regulations	s of this variety will be furnished	with				
The undersigned applicant(s) is (are) the own distinct, uniform, and stable as required in Solvariety Protection Act.	ner(s) of this sex	ually reproduced novel plant var	iety, a	and believe(s) that the variety is isions of Section 42 of the Plant			
Applicant(s) is (are) informed that false repre	esentation herei	n can jeopardize protection and i	result	in penalties.			
Floyd A. Weems, Research I Wilbur - Ellis Company	irector Seed	Division		ATE November 20, 1982			
SIGNATURE OF APPLICANT Well	wa.		D	ATE			

INSTRUCTIONS

General: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$1000 fee (\$500 filing fee and \$500 examination fee) to U.S. Department of Agriculture, Agricultural Marketing Service, Livestock, Meat, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

Item Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) 9 of the Act and (2) the date a decision was made to increase the seed. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding 14a method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability. Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished 14b from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty. Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data. 14c Describe any additional characteristics that are not described, or whose description cannot be accurately 14d conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc. If "Yes" is specified (seed of this variety be sold by variety name only as a class of certified seed) the 15 applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.) See section 42 of the Plant Variety Protection Act and section 180,7 of the Regulations and Rules of 16 Practice.



13 A EXHIBIT A

PILGRIM was derived from the following crosses: (Taylor Cranberry X DB 610248) X DB 610525 X Taylor Cranberry

TAYLOR CRANBERRY is a commercial bush type, widely used in the Central USA and West Coast dry bean production areas.

DB 610248 - PVD 842 is a breeding line selected from a pole mutant found in PI 156328, having "near" kidney shape, half red - half white seeds. It is resistant to Curly Top Virus (Ruga verrucosous), Bean Common Mosaic Virus (BCMV) BV, NY 15 and Western Strain. This line is highly tolerant to Fusarium solāni, Rhizotonia, moisture and temperature stresses. A line obtained from Stokely-VanCamp, Inc.

<u>DB 610525</u> is a white kidney type breeding line with very vigorous bush, high pod set, long, slender, round pods with 6-7 seeds of "near" white color. The line is resistant to Curly Top Virus, Bean Common Mosaic Virus (BCMV) BV and NY 15 strains. This line is very tolerant to two-spotted mites and Fusarium solani root rot.

Taylor Cranberry was crossed with DB 610248. The resulting F_1 progeny was crossed to DB 610525 and advanced two generations and then back crossed to Taylor Cranberry. The material was then advanced to the F_4 generation where single plant selections were made for seed color, shape, quality, plant type, production potential, disease and insect tolerance. We advanced these selections to the F_6 generation where we found them to be stable phenotypically and genotypically. At this time, we began a rapid seed increase program on what we considered the most superior performing single plant selection PVD 865, to present quantities of our variety PILGRIM. As of this date, we have observed no variants in single plant selection PVD 865, the variety PILGRIM.

PILGRIM

13 B EXHIBIT B

Wilbur-Ellis Company, Seed Division believes we are the original and only breeder of the dry bean variety PILGRIM and base novelty on the following:

PILGRIM is most similar to the Cranberry variety Taylor.

Plants of PILGRIM under Exhibit "C" are type 4 - "high bush form", whereas Taylor Cranberry is type 2 - "stem bush form".

Plants of PILGRIM are very vigorous and average 49 centimeters in height, whereas Taylor Cranberry is 13 centimeters shorter and less vigorous.

Folage of PILGRIM is very substantial and remains physiologically functional, even when pods are mature (dry seeds), whereas Taylor Cranberry is normally not physiologically functional at pod maturity (dry seeds).

Plants of PILGRIM are very compact with "pod-set" concentrated beneath the leaf canopy, whereas Taylor Cranberry is open with "pod-set" exposed.



CONTINUED:

13 A EXHIBIT A CHENON

Pods of PILGRIM are set in a very concentrated pattern, with all maturing (buckskin color) within 5-6 days, whereas Taylor Cranberry "pod-set" is not concentrated, with pod maturity (buckskin color) occuring over a 10-11 day period.

Seeds of PILGRIM are elliptical in shape (hilum view), whereas Taylor Cranberry is round. In cross-section, PILGRIM is oval, whereas Taylor Cranberry is round.

PILGRIM is resitant to Curly Top Virus, whereas Taylor Cranberry is very susceptible.

Maturity of PILGRIM averages 4 days earlier than Taylor Cranberry.



FORM APPROVED: OMB NO. 40-R3822

EXHIBIT C

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY BEAN (Phaseolus vulgaris L.) NAME OF APPLICANT(S) FOR OFFICIAL USE ONLY WILBUR - ELLIS COMPANY; SEED DIVISION PVPO NUMBER ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 30003 VARIETY NAME OR TEMPORARY DESIGNATION East 12001 Empire Way Spokane, Washington 99206 PILGRIM (PVD 865) Place numbers in the boxes (e.g. 0 8 9.) for the characters that best describe this variety. Measured data should be for SPACED PLANTS. Ranges may also be given. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: _ .. The location of test area is _ Please answer questions appropriate for your variety if the information is available. 1. TYPE: 1 = Field (dry-edible) 2 = Garden MARKET MATURITY: N Days to edible pods Days to green shells 0 8 6 Days to dry seeds Heat units to edible pods N A Heat units to green shells A Heat units to dry seeds No. days earlier than 1 = Tendercrop 2 = Kentucky Wonder 3 = Kinghorn Wax 4 = White Kidney 6 = Dwarf Horticultural 5 = Michelite 62 None other for type .. same as . NA 7 = Bush Blue Lake 290 8 = Other (specify below) 9=Royal Red Kidney 10= 9 Days earlier than Seafarer NA No. days later than 11= 5 Days earlier than Emerson 3. PLANT: 1 1 = Determinate 2 = Indeterminate cm height cm shorter than . . . NA comparison variety from above 10 cm taller than ... cm spread Number primary branches near base cm narrower than . Branching habit: comparison 1 = compact 2 = open variety width same as . from sbove cm wider than

Main stalk: 1 = brittle . 2 = wirey

1 = stout

2 = thin

U.S. DEPARTMENT BULTURE .

3. PLANT: (Cont'd)	J State Shelds	NAME OF THE PARTY	A ALMMAN A				AN LOS
2 Pod	position: 1 = low	2 = high 3 = sca	attered				
[] Bust	n form (illustrated be	elow): Very u	niform				
4 500	Tom (mastrated by	ball a	dili Olin			M	D 611
						Camp S	X D
					A.A.		
102 (133)		A. C. C.	AND				
		N N	FEL	-	The same of the sa		120
		义。统	1		(10)	Z	
			27		R		J ON A
1 = spherical bush form	2 = 0	tem bush form	7-3/	= wide bush fo	A STATE OF THE PARTY OF THE PAR		
1 - spilerical busil form	5 = other (specify			B = wide bush fo	rm	4 = high bush	n form
4. LEAVES:						7	
1 = 8	smooth 2 = wrin	kled			2 1 = d	ull 2 = glossy	
III siani	1 = amall /Fastissas	0.7			-Powel B	ad Vidnos	
4 Size.	i – small (Earliwax	2 = medium	3 = large (16	endercrop) 4	-Noyar n	led Midney	
2 Colo	r: 1 = light green (as	s light or lighter than s dark or darker than	Bountiful)	2 = medium gre	en as Roy	al Red Kid	ney
	3. con (a.	dark of darker than	Dusii Dide Lak	e 250)			
5. FLOWERS:							
[3] Colo	r: 1 = white 2 = cr	eam 3 = pink 4 =	lilac 5 = pur	ple 6 = Other	(specify)		1
5 - 3 7 Days	to 50% bloom						
6. FRESH PODS: (Edib	le maturity, average	for 20 pods)					
[/] Exten		green (as light or light	ter than Bount	iful)			
LO SE	2 = medit 3 = dark (am green Green (as dark or dark					
	5 = golde	yellow (Brittlewax) n yellow (Cherokee V red variagated (Horti	Vax)				
	7 = other		Culturary				
	a twenty	% Sieve size distrib	ution at optim	um moturity for			
	Note: 1 = 4.76 mm to 5		8.34 mm to 9.1		non-nat pods		
	2 = 5.76 mm to 7 3 = 7.34 mm to 8	.34 mm 5 = 9	9.53 mm to 10 10.72 mm or la	.72 mm			
	1	2	3	4	5	6	
	NA	NA	NA	NA	NA	NA	
	3 sieve N	A cm length	NA	mm width	NA	mm thickness	
	1334	ALL PROPERTY			DT A	THE CHIESE	
THE THEFT	4 sieve N	A cm length	N A	mm width	N A	mm thickness	
	5 sieve N	A cm length	NA	mm width	N A	mm thickness	
	6 sieve N	A cm length	NA	mm width	NA	mm thickness	
		SE TRANSPORTER	THE PERSON	TE UN GE			5 satisfication

FORM APPROVED: OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20705

EXHIBIT C (Bean)

OBJECTIVE DESCRIPTION OF VARIETY
BEAN (Phaseolus vulgaris L.)

NAME OF APPLICANT(S) Wilbur - Ellis Co. Seed Division	FOR OFFICIAL USE ONLY			
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)	PVPO NUMBER 8300037			
East 12001 Empire Way Spokane, Washington 99206	VARIETY NAME OR TEMPORARY DESIGNATION			
Spokane, Washington 77200	PILGRIM (PVD 865)			
Place numbers in the boxes (e.g. 0 8 9) for the characters that best descriped and the place of the characters are described as a supervision of the characters that best descriped and the place of the characters are described as a supervision of the characters that best descriped and the place of the characters that best descriped and the place of the characters that best descriped and the place of the characters that best descriped and the place of the p	or standard may be used to determine plant colors;			
1. TYPE:	the information is available.			
I = Field (dry-edible) 2 = Garden				
2. MARKET MATURITY:				
N A Days to edible pods	Days to green shells			
0 8 6 Days to dry seeds				
N A Heat units to edible pods	Heat units to green shells			
N A Heat units to dry seeds				
1 = Tend 3 = Kingl	lercrop 2 = Kentucky Wonder horn Wax 4 = White Kidney			
None other.for.type. Same as NA 5 = Mich				
	ys earlier than Seafarer ys earlier than Emerson			
3. PLANT:	- Cast 7st roe averta			
X 1 = Determinate 2 = Indeterm	ninate			
049 cm height				
0 5 cm shorter than				
Same as NA comparison	variety from above			
1 3 cm taller than				
4 0 cm spread	Number primary branches near base			
0 9 cm narrower than	Branching habit:			
width same as 9 comparison variety from	1 = compact 2 = open			
N A cm wider than				
2 Main stalk: 1 = brittle 2 = wirey	1 = stout 2 = thin			
The state of the s				

6. FRESH PODS: (Cont'd)

- 3 Cross section pod shape: 1 = flat 2 = oval 3 = round 4 = heart
- Creaseback: 1 = present 2 = absent
- 1 Pubescence: 1 = none 2 = sparse 3 = considerable
- 1 Spur: 1 = straight 2 = slightly curved 3 = curved
- Constrictions: 1 = none 2 = slight 3 = deep
- 2 Pod flesh: 1 = light 2 = medium 3 = dark
- 7 mm spur length
 - NA Fiber: 1 = none 2 = sparse 3 = considerable
- m 6 Number of seeds per pod
 - 1 Surface: 1 = smooth 2 = rough
 - 1 Suture string: 1 = present 2 = absent
 - NA Seed development (Snap Bean): 1 = slow 2 = medium 3 = fast
 - NA Machine harvest: 1 = adapted 2 = not adapted
 - Pod flavor: (1) Standard (Tendercrop)
 (2) Mild Blue Lake (BBL 274) NA (3) Strong Blue Lake (Pole FM1) (4) Mild Romano (Roma)
 - Strony Romano (Pole Romano) (6) Other (specify)

7. SEED COAT COLOR:

- 1 = Monochrome 2 = Polychrome
- 1 = shiny 2 dull
- Primary color: 1 = white 2 = yellow 3 = buff
- 5 = brown 6 = pink 7 = red 8 = purple Secondary color: 9 = blue 10 = black 11 = other (specify) _
- Color Pattern: 1 = none 2 = splashed 3 = mottled 4 = striped 5 = flecked 6 = dotted
- 15 Secondary color location: 1 = hilar ring 2 = ventral surface 3 = sides 4 = dorsal surface 5 = not restricted to any area 6 = combination of location (specify below)
- 2 Hilar ring on colored seeds: 1 = absent 2 = narrow 3 = butterfly shaped

SEED SHAPE AND SIZE:

- Hilum view: 1 = elliptical 2 = oval 3 = round
- Side view:
 - 1 = oval to oblong





Cross section: 1 = elliptical 2 = oval 3 = cordate 4 = round

2 = round

3 = reniform

8. SEED SHAPE AND SIZE: (Cont'd)	A STATE OF A STREET OF A STREET OF THE STREE			
1 = truncate ends 2 = rounded ends				
48.5 gm/100 seed				
N A gm/100 seed lighter than	comparison variety from page one			
9. ANTHOCYANIN: (1 = absent 2 = present)				
2 Flowers 2 Pods	2 Seeds 1 Leaves			
10. DISEASE RESISTANCE (0 = not tested 1 = susceptible 2 = resistant):				
Anthracnose (specify race below)	1 Fuscous blight			
Rust (specify race below)	O Red node virus			
O Powdery mildew	O Pod mottle virus			
2 Fusarium root rot	Been common mosaic virus (specify strain below) BV1, BV2 and NY 15			
O Pythium root rot	O Mosaic mottle			
O Rhizoctonia root rot	3 Black root			
2 Pythium wilt	Bean yellow mosaic virus			
O Angular leaf spot	2 Curly top			
O Bacterial wilt	Other (specify below)			
Halo blight (specify race below)				
11. INSECT RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant)				
1 Aphids	O Root knot nematode			
2 Leaf hopper	O Seed corn maggot			
1 Lygus	O Thrips			
Pod borer	Weavils			
	2 Other (specify below) Two-spotted mites			
12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant)				
2 Heat 0 Cold 2 Drought	1 Air pollution			
dry seeds. Leaves remain functional on p	lant, even though pods have			

